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20TH ANNIVERSARY OF THE KAZAKH MINING AND METALLURGICAL INSTITUTE

[Comment: This report gives abstracts from a newspaper article on the institute written by its director, O. Baykonurov, together with a list of honorary awards made to members of the Presidium of the Supreme Soviet of the Kazakh SSR in connection with the anniversary.]

Kazakhstan occupies the leading place in the USSR with regard to reserves of nonferrous metals, second place for petroleum, and third place in coal reserves. In the large network of higher educational establishments that has been organized in the country, the Kazakh Mining and Metallurgical Institute occupies an outstanding place.

The institute prepares mining and metallurgical engineers in nine specialties. Compared with the 145 students who were studying there in 1934, there are now 2,000. In the three faculties of Mining, Metallurgy and Geological Prospecting, there are 28 chairs, staffed by 160 professors and instructors 10 of whom are doctors and 60 candidates of sciences. In 20 years, the institute has prepared more than 2,500 engineers. In the last academic year, 384 students were graduated, and 411 are to be graduated in the present year. It is easy to understand the significance of this figure when one remembers that in all the prerevolutionary higher educational institutions of mining, there was a total of only 2,000 students, with an annual graduation of 60-70.

Graduates of the institute are found in the fuel, metallurgical, and mined chemical raw material enterprises of Kazakhstan and also of the Urals, Siberia, and the Far East. Many of them work in the institutes of the Academy of Sciences Kazakh SSR, in research establishments of Karaganda, Altay, and in the framework of the Kazakh Geological Administration. The names of some of these graduates -- G. Shcherta, Doctor of Geological and Mineralogical Sciences, and Engr P. Lobanov, Stalin Prize winner -- are well known in the republic. Many graduates are inventors and production engineers.

More than 100 of the republic's industrial enterprises have close ties with the institute and serve as bases for industrial practice. This allows tight keying of diploma theses to the needs of the economy.

Students carry out much research work in the scientific societies of the institute. In the present academic year, 80 works of students have been reported at the sixth students scientific conference, and many of these works have practical value.

Aspirant work is given much attention in the institute, where scientific and teaching cadres are being trained in nine specialties. At present, there are 33 engineers studying in the group.

During its existence, many of the scientific workers and teachers have prepared and successfully defended doctoral and candidates' dissertations. In the current academic year, eight candidates' dissertations have been defended. Doctoral dissertations have been defended by I. Bok, Ye. Shlygin, L. Gul'nitskiy, V. Ponomarev, G. Kushev, and V. Lebedev. [It is not evident whether these doctoral dissertations have been defended in the current academic year, or whether they are a selection of recent defenses.] Among the scientific workers and teachers are the following Kazakh women: Ye. Aimbetova, Candidate of Philosophical Sciences; Docent Sh. Pegaliyeva; T. Khairliyeva, instructor of higher mathematics; and S. Bagelina, instructor of foreign languages.

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In the institutes' 20 years of existence, its chairs have prepared a large number of scientific works, many of which have greatly contributed to science. While working on the solution of theoretical problems, the staff is constantly trying to develop and strengthen links with practice, and chairs have close ties with the workers in industrial enterprises. Prof Ye. Shlygin, doctor of Geological and Mineralogical Sciences; Prof I. Bok, Doctor of Geological and Mineralogical Sciences; Docent A. Nepomnyashchikh; and others are taking an active part in the compilation of geological map of useful minerals in Kazakhstan, a map of the gravimetric field of Central Kazakhstan, and a chart of the hydrogeological regionalization of Kazakhstan, all of which work is being carried out under the leadership of Academician K. Satpayev.

The most significant work of associates of the institute is marked by Stalin Prizes. Prof G. Kushev, Doctor of Geological and Mineralogical Sciences, was awarded a Stalin Prize for his work on investigation of the geology of the coal of the Karaganda Basin, as were Docents S. Ankinovich, Ye. Ankinovich, and G. Medoyev for the discovery of new deposits of useful minerals.

Interesting work on the investigation of the mineralogy and petrography of new deposits in the Karagandskaya Oblast are being carried out by the Chair of Mineralogy and Petrography, which is headed by Prof N. Sergiyev, Doctor of Geological and Mineralogical Sciences. The Chair of the Development of Seam Strata, headed by Prof A. Popov, Doctor of Technical Sciences, is carrying out research on finding production methods for stripping and systematic development of the Karaganda Basin. The investigations of this chair on problems of organizing the production processes for coal extraction in the Karaganda Basin also have a significant practical interest.

The Chair of the Development of Ore Deposits, headed by Prof A. Brichkin, Doctor of Technical Sciences, is working on problems of the improvement of miners' work conditions and the crushing of mining strata by new methods. The Chair of the Metallurgy of Light and Rare Metals is developing new techniques for aluminum extraction, which are applicable to the ores of Kazakhstan. It is also working on the improvement of methods for extracting rare metals from Kazakh ores and the improvement of zinc extraction technology. The work of the chair on zinc refining has already been put into practice.

The staff and student body of the Kazakh Mining and Metallurgical Institute sees the importance of the tasks confronting it and aims to raise the standard of educational and research work.

#### Awards to Members of the Institute

Honorary title "Honored Worker of Science and Engineering Kazakh SSR"  
Prof Ivan Ivanovich Bok

Prof Viktor Dmitriyevich Ponomarev, head of a chair

Prof Nikolay Grigor'yevich Sergiyev, head of a chair

Certificate of the Supreme Soviet of the Kazakh SSR

Prof Aleksandr Vasil'yevich Brichkin, head of a chair

Docent Omirkhan Aymagambetovich Baykonurov, director of the institute

Prof Andrey Sergeyevich Geskin, head of a chair

Prof Leonid Vikent'yevich Gul'nitskiy, head of a chair

Docent Vasil'y Petrovich Gutsevich, head of a chair

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Klavdiya Andreyevna Zabolina, assistant  
Petr Andreyevich Kalifutov, head of a chair  
Docent Suleymen Akhmediyevich Karamullina, dean  
Docent Aleksandr Nikolayevich Kartashev, head of a chair  
Docent Kim Gi Shen [transliteration from the Russian]  
Ivan Andreyevich Krivosenko, candidate of technical sciences, deputy  
director of the institute  
Grigoriy Aleksandrovich Kononenko, deputy director of the institute  
Docent Petr Makarovich Koshul'ko, head of a chair  
Docent Sergey Pavlovich Kravchenko  
Miram Kurmangaliyevich Kurmangaliyev, senior instructor  
Prof Boris Nikolayevich Lebedev, head of a chair  
Docent Grigoriy Dmitriyevich Lukhtanov, head of a chair  
Mark Yefimovich Medvedev, candidate of technical sciences, senior  
instructor  
Docent Georgiy Tsarayevich Medoyev  
Docent Vladimir Kuz'mich Monich  
Aleksandr Stepanovich Ponomarev, senior instructor  
Prof Aleksandr Sergeevich Popov, head of a chair  
Yuliya Konstantinovna Silina, assistant  
Docent Aleksandr Vasil'yevich Sokolov  
Docent Aleksandr Dmitriyevich Spitsin  
Docent Konstantin Vasil'yevich Sushkov, deputy director of the  
institute  
Docent Nikolay Stepanovich Starkov  
Docent Vladimir Vasil'yevich Favorskiy, head of a chair  
Prof Yevgeniy Dmitriyevich Shlygin, head of a chair  
The date of all these awards is 29 November 1954.

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